



# WEST VIRGINIA

Katherine Johnson Independent Verification and Validation (IV&V) Facility – Fairmont, WV  
 Managed by Goddard Space Flight Center

**NASA AGENCYWIDE<sup>(1)</sup>**

State Impact

**633** Jobs Supported  
**\$140.8M** Economic Output  
**\$4.3M** State Tax Revenue

**MOON TO MARS CAMPAIGN**

State Impact

**30** Jobs Supported  
**\$6.6M** Economic Output  
**\$203K** State Tax Revenue

**CLIMATE CHANGE R&T<sup>(2)</sup> INVESTMENT**

State Impact

**6** Jobs Supported  
**\$1.5M** Economic Output  
**\$46K** State Tax Revenue

<sup>(1)</sup> For more information, please visit <https://www.nasa.gov/value-of-nasa/>

<sup>(2)</sup> Climate Change Research and Technology (R&T) Investments

## FY23 State Procurement Investment<sup>(3)</sup> \$49.2M

### SAMPLE OBLIGATIONS<sup>(4)</sup>

 <b>BUSINESS</b>	<b>\$35.6M</b>
Other Than Small Business	\$28.2M
Small Business	\$7.6M
8(a) Program	\$678,457
Economically Disadvantaged Women Owned	\$678,457
Historically Underutilized Business (HUBZone)	\$199,934
Service Disabled Veteran Owned	\$678,457
Innovative Research	\$524,934
Disadvantaged Business	\$828,391
Veteran Owned	\$678,457
Woman Owned	\$678,457
Small Business ONLY	\$6,085,854
 <b>EDUCATIONAL</b>	<b>\$7.7M</b>
Historically Black Colleges and Universities	\$0
Other Minority Institutions	\$0
 <b>GOVERNMENT</b>	<b>\$2.9M</b>
 <b>NON-PROFIT</b>	<b>\$0</b>

### LEADING STATE-BASED

#### NASA BUSINESS CONTRACTORS

Science Applications International Corporation	\$29,027,986
Tmc Technologies of West Virginia Corporation	\$6,042,586
Ti Verbatim Consulting, Inc.	\$678,457
Touchstone Research Group, LLC	\$375,000
Nextgen Federal Systems, LLC	\$199,934

### LEADING STATE-BASED

#### NASA EDUCATION FUNDING

West Virginia University	\$7,423,435
Fairmont State University	\$370,000

### SPACE GRANT CONSORTIUM

West Virginia University	\$910,000
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<sup>(3)</sup> NASA contracts sourced in the state in FY23; see FY23 NASA Economic Impact Report

<sup>(4)</sup> Categories are not additive. For more information on FY23 Sample Obligations, please visit: [NASA Acquisition Internet Service \(NAIS\)](#)

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# 633

## NASA JOBS SUPPORTED

Katherine Johnson IV&V Facility has 62 NASA federal employees and 348 contractors\* in the state of West Virginia.

For every NASA civil servant job located in West Virginia, an additional 9\*\* jobs are supported in the state economy. For every million dollars' worth of economic output generated by NASA civil service employees, an additional \$3.9\*\* million worth of output is sustained throughout the state economy.

\*\* Indirect effects are the purchases of goods and services by government agencies and private sector contractors, as well as by the industries that supply them.  
\*\*\* Multiplier based on IMPLAN Input Output (I-O) model. To learn more, please visit: <https://blog.implan.com/understanding-implan-multipliers>



## NASA ASTRONAUTS



Jon A. McBride



Andrew R. Morgan\*

\* Active

## Katherine Johnson Independent Verification and Validation Facility (IV&V)

NASA's Katherine Johnson Independent Verification and Validation Facility (IV&V) is used to contribute to the safety and success of NASA's highest-profile missions by assuring the software on those missions performs correctly.

Jon McBride Software Testing and Research (JSTAR) is a subgroup within the NASA IV&V Program's IV&V office. JSTAR's main role consists of providing computer simulations of embedded spacecraft environments. These simulations allow spacecraft software to be tested, verified, and validated. JSTAR performs research and developmental efforts to improve testing methods and is also responsible for managing and enhancing the JSTAR laboratory network.

NASA's IV&V Education Program prepares new K-12 teachers by providing access to NASA learning materials and educator professional development via its Education Resource Center (ERC). The Student Outreach program offers authentic experiences for diverse K-12 school groups from across the region while the robotics, rocketry, and aviation competitions engage thousands of students each year. Undergraduate students are able to engage with NASA missions and science through the Space Flight Design Challenge, the Science Public Outreach Team (SPOT), and numerous collegiate competitions.

For more information about the Economic Impact Report for your state, go to:



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National Aeronautics and Space Administration

